

& IMPULSE RECORDING EQUIPMENT CO. INC.

INSTANT GRAPHIC
PULSE PRESENTATION FOR
ADVANCED INSTRUMENTATION

BUSINESS EQUIPMENT AND
COMMUNICATION FACSIMILE

Address Correction Requested

Alden Research Center 
WESTBORO, MASS. 01581

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WESTBORO, MASS. 01581
617/366-8851

August 1, 1968

Dear Sir:

As you know, EXCITING THINGS happen every day. When those "things" have anything to do with Graphic Communications or Instant Graphic Recording, they often happen here at Alden.

Because we know you have an interest in our products and in new developments in facsimile, we are enclosing a copy of our Alden newsletter...a new service, published on a quarterly basis. We think this is the best way to keep you abreast of EXCITING THINGS ... "things" such as new products, new services, new applications and developments.

Because there are a lot of EXCITING THINGS to talk about, our editorial policy shall stress brevity. Because You may want more information, we have included a reply card section in our newsletter for your convenience in inquiring further into the EXCITING THINGS which may be of interest to you specifically.

We hope you enjoy reading our "new" Newsletter and look forward to your comments and/or inquiry.

Very truly yours,

ALDEN ELECTRONIC & IMPULSE
RECORDING EQUIPMENT CO. INC.



Alden Research Center



NEWSLETTER

Vol. 1 No. 1

Westboro, Massachusetts

VERSATILE BROADBAND TAPE RECORDER

AIDS FACSIMILE USERS

The availability of a new, low cost tape recorder for storing, forwarding and speed translating of facsimile transmission was recently announced here. Lightweight, portable or fitted for rack mounting or on a compact, roll-in console, this new unit is very simple to operate and can be used with any facsimile system, regardless of manufacture.

The unit will interface with any existing Alden system with a simple plug-in adaptor and operated by the flip of a switch. It will record and store up to 90 minutes of transmission on each side of a 7" reel, 2200 feet long. The unit stores and records facsimile signals over a frequency range from 30 to 14,000 cps and will forward any type of data over telephone lines

from 3 to 10kHz. The tape can be played back into the facsimile recorder at either 5 or 10 ips...either locally or remotely via telephone lines. Hard copy recordings can be made simultaneously with taped recordings. With the use of this new unit, information to be transmitted to distant locations can be stored on tape during working hours and forwarded after hours to an unattended recorder.

Main features include the following:

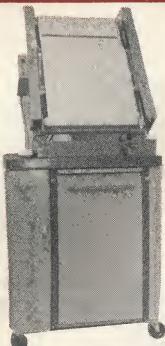
- Low cost.
- Has built in precision time base.
- No need for external clocks and other synchronizing systems.
- Operates with any facsimile system.
- Provides storage and forwarding.
- Get one hour and 30 minutes of recording at 5 ips.
- Store at one speed—forward at the same speed or half speed or twice speed.
- Store transmissions on one circuit, forward on another when free or on schedule.
- Monitor out going and incoming transmissions.
- Make extra copies.
- Provide reference—proof of delivery.
- Back-up for present facsimile equipment eliminates equipment outages.
- Allows multiple, simultaneous circuit receptions.
- Determine problem areas.
- Store standard reference data.

(Continued on Page 4)



New Products

Forecasters Save Time With New Remote Control Viewer



One of Alden's unique new developments, the viewer, is designed to provide a rapid means of receiving and displaying graphic information. It facilitates detail analysis and decision making by instantly displaying the graphic information on an adjustable well-lighted viewing area. The cost: \$540.00. Viewer and console assembly dimensions: 30" x 30" x 70". Weight: approximately 135 lbs.

For further information circle #2 on Reader Inquiry Card.

Convenient Paper Display



This new console accessory provides a convenient means of displaying and storing instantly, recorded graphic information. It automatically dries, displays, and rolls the information for storage and also cuts the paper at any point desired. This time saving development facilitates rapid decision making. The cost: \$520.00. Display unit dimensions: 20" x 9" x 26" weight without dryer 20 lbs: with dryer 25 lbs.

For further information circle #3 on Reader Inquiry Card.

REMOTE RADAR BY TELEPHONE



This new Alden series 9256 recorder now makes it possible to receive... in hard copy form... slow scan T.V. information. By combining slow scan T.V. with the Alden 9256 recorder, permanent, easily interpretable radar pictures are provided rather than fleeting radar scope images of weather radar systems.

Now, a meteorologist can receive complete radar scope pictures every 90 seconds over standard telephone lines.

Currently being used by the U.S. Weather Bureau and the Federal Aviation Agency, this service is now available in Pittsburgh, Pa., Washington, D.C., Detroit, Mich., and Galveston, Texas. Federal plans call for expansion to approximately 30 more sites by 1971.

Under consideration is a "Dial-A-Pix" system to allow anybody with a Dataphone to receive radar pictures by simply dialing the radar site telephone number.

Sale price of the Remote Radar Recorder is \$6,950.00 and monthly leasing cost is \$235.00.

For further information circle #4 on Reader Inquiry Card.

New Facsimile Services

Apt Pictures Now Available Over Land Line Network

The U. S. Weather Bureau recently made available the cloud cover pictures transmitted by the Weather Satellites over an existing land line network installed nationally and in use to the Weather Bureau's Forecast offices. Tracked at Wallops Station, Virginia, San Francisco, California and Honolulu-Hawaii, the satellite signals are piped over a land line to Suitland, Maryland, where the information is put on tape. The taped reception is then played back into the Forecast circuit at regularly scheduled times.



The APT transmissions on this Network are received at the same speed rate at which the satellite transmits . . . 240 rpm at 75 lpi. Weather charts are also transmitted but presently at a slower rate . . . 120 rpm at 166 lpi. It is necessary therefore that the display equipment has both capabilities. The unit most widely used for this reception and the only one employing the necessary dual mode capability is the Alden Model 9225F Weather Picture/Chart Recorder. Pricing for this recorder is: Purchase: \$5171.00. Lease, for three years . . . \$192.00/mo.

For further information circle #5 on Reader Inquiry Card.

NEWS ITEM

The OSR-19T, which represents the latest in general purpose oceanographic survey recorders was recently installed in Jacques Yves Cousteau's research ves-

Facsimile Users Gain Time . . . Save Money With New AT&T Service

The introduction of AT&T's "Dataphone 50 Switched Service" now makes available HIGH SPEED (50 Kilobit) facsimile communication lines between New York, Washington, Chicago and Los Angeles: on a pay-as-you-use-it basis. Costs include a monthly terminal charge (\$275.00 to \$300 per month) in addition to \$1.25 per minute charge (New York to Washington, D. C.) The introduction of this service represents savings to facsimile users of both time and costs.

Uniquely, the Alden 18 Alspeed system can be operated at the high speed (50 kilobit) or can be slowed down to operate at the voice channel speed of a page in 4.4 minutes. Cities then offering Data- phone 50 Service can be used as data collection, storage and high speed forwarding centers.

Monthly lease cost of the Alden 18 Alspeed system is \$385.00.

For further information circle #6 on Reader Inquiry Card.

The Instant Of Decision

A new 19 minute 16mm color sound film produced by Alden Research Foundation is being distributed on loan, FREE OF CHARGE. This film dramatically highlights the great need for instant graphic communications in today's world of split second business decision making.

For further information write or call: Public Relations Department, Alden Electronic & Impulse Recording Equipment Company, Inc.

sel, "Calypso." Alden's high performance recorder will aid Cousteau, presently working off Puerto Rico, in his biological/geological oceanographic studies.

Our Customers

Billboard Publications, Inc., using Alden 11 DocuFAX for graphic exchange between editorial offices in NYC and printing facilities in Cincinnati, Ohio. *Meredith Printing* doing same thing in Des Moines, Iowa on an intra-city basis. *Illinois Bell Telephone* to use graphic communications for intra-city exchange of orders, etc. *AVCO* adds *Nashville Aerostructures Division* to existing Aerospace network following \$575 million award from Lockheed. System is Alden 18 AlpurFAX... graphic exchange consists of engineering and support documentation. *Chrysler* uses 11 DocuFAX system for Public Relations operations in NYC, Wash., D.C., and Detroit. *Atlantic Richfield Petroleum Corp.* joins list... their installation going from Philly to L.A. - using 18 AlpurFAX for all purpose exchange. *Defense Atomic Support Agency*, Sandia Base, Albuquerque, N.M., to link to Munitions Command, Picatinny Arsenal, Dover, N.J., also to Missile Command, Huntsville, Ala., using 18" System via Autovon. *Western Airlines* using DocuFAX recorders for small map displays. *Melpar*, Falls Church, Va., installing Radar Recorder to aid in local weather forecast.

BROADBAND TAPE RECORDER

(Continued from Page 1)

The unit is currently being used by the U. S. Weather Bureau to store information relayed from the earth-orbiting weather satellites (APT-Automatic Picture Transmission) which is received at various points in the U. S. and then sent via land line to Washington, D. C., where it is stored on tape and then forwarded at regularly scheduled times. The U. S. Navy is also using this facsimile accessory in Washington, D. C., where it is stored on tape and then forwarded at regularly scheduled times. The U. S. Navy is also using this facsimile accessory in Washington for storage of APT mosaics received from a computer. The mosaics are stored and then forwarded by radio facsimile to their Atlantic fleet during a time period previously not used. This method has allowed the Navy to provide up to date APT information to the fleet without rearranging the existing transmission schedule. The sale prices from \$1500 and lease rates from \$85 per month.

For further information: Circle #1 on Reader Reply Card.

DETACH AND MAIL TO

**ALDEN ELECTRONIC & IMPULSE
RECORDING EQUIPMENT CO. INC.**

Westboro, Massachusetts 01581

Alden News

Dick Munn, (General Sales Manager, Commercial Fax) recently addressed Publisher/Printer Conference. Gene Piken joins Commercial Sales Group/Phil Astrella now working with Instrumentation Group. Welcome to both. Plans for new plant in process...work to start sometime this Fall. Ocean Science Services, Inc., Palo Alto, California, recently appointed manufacturer's representative for Ocean Sonics on West Coast. Value Analysis classes start in Fall.

UPCOMING SHOWS

AUGUST

19 through 23 Radar Meteorology Conference

Montreal, Canada

AUGUST

20 through 23 WES-CON

Los Angeles, Calif.

SEPTEMBER

4 through 6 AMS (American Meteorological Society)

Boston, Massachusetts

ABOUT THIS BOARD MEMBER

June 18, 1968 . . . Mr. Robert K. Wilson, General Sales Manager for Sears Roebuck and Company in Eastern Massachusetts was today named a new director of Alden Electronic & Impulse Recording Equipment Co., Inc.

Mr. Wilson, a resident of Wellesley Hills, is a graduate of M.I.T. and currently serves as Chairman of the Massachusetts Merchants, Inc., Vice President and Chairman of the Development Committee of Gordon College and Divinity School and is on the Executive Board of the Massachusetts Taxpayers Foundation and Chairman of its Retail Trade Division.

In announcing the appointment of Mr. Wilson, Mr. Milton Alden, Chairman of the Board, pointed out that Alden Electronics is entering a phase in its overall corporate development programs where wider commercial exploitation of the present company business is anticipated. Mr. Wilson's long experience in merchandising and corporate organization and personal incentives will enhance the company's forward planning.

ALDEN ELECTRONIC READER INQUIRY CARD

Please send me information on the items circled below:

1 2 3 4 5 6 7 8 9 10 11 12

Name _____

Company _____

Title/Dept. _____

Address _____

City _____ State _____ Zip _____

I would like to visit your facility _____.

Please have an Alden Representative call me to discuss _____

My telephone number is _____ Area Code _____

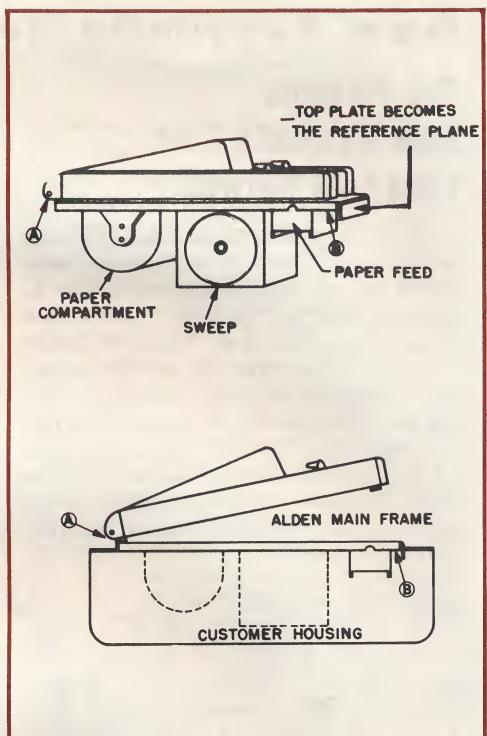
Main Frame

The development of a new line of component recorders was recently announced here. Designated "MAIN FRAME," the new units are available now for customers with special packaging requirements. The recorders are identical to ALDEN'S existing "Flying Spot" component recorders with design modifications of the basic recording elements to meet customer packaging requirements.

Because all recording elements in the ALDEN technique work from one frame of reference (the mounting surface of the "sweep" and paper feed drive units with all other elements taking their frame of reference from this surface) a tremendous variety of recorder configurations are possible. These configurations range from simple adaption of the basic ALDEN recorders for accessible rack or console mounting to compact self-contained units . . . no larger than a Polaroid camera.

Main Frame Recorders are available in 5/8/11/19 inches.

For further information circle #12 on Reader Inquiry Card.



Classified

Alden Electronic has in its inventory a number of used 18 inch Weather Map Recorders. We have decided to offer some of these units for sale.

The standard Alden 19 AlpurFAX Recorder, for voice channels, Model 9137. Dimensions: Width 34 $\frac{3}{4}$ ", Depth 22", Height 54 $\frac{1}{2}$ ". Twenty-five as is units are completely operable and will be delivered in a clean and operating condition. Cost—\$500.00 each.

For further information circle #8 on Reader Inquiry Card.

The standard AlpurFAX Recorder, for voice channels, Model 9137. Dimensions: Width 34 $\frac{3}{4}$ ", Depth 22", Height 54 $\frac{1}{2}$ ". Twenty-five recorders will be completely rebuilt electronically and mechanically and provided with new cabinets. Cost—\$2500.00 each.

For further information circle #9 on Reader Inquiry.

NEW LITERATURE

Publisher/Printer. Product Folder. . . describes publisher/printing applications of graphic communications using Alden 11 DocuFAX system.

Engineering/Program Management Product Folder. . . describes application of 18 AlpurFAX (All Purpose Facsimile) for engineering and administrative graphic communications.

APT Catalog

"Instruments for the reception of Meteorological Data." Represents a complete catalog of Alden weather equipment including APT systems, accessories and other weather display systems for receiving, APT pictures, weather charts, radar pictures and radio facsimile.

Send requests to Public Relations Department — Alden Electronics.
Literature is free upon request.